

# Mineral Industry Surveys

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## ALUMINUM IN JUNE 2003

The reported domestic primary aluminum production in June was 228,829 metric tons (t). The average daily production rate was 7,628 t, slightly higher than that of the previous month and 1% above the rate for June 2002.

The monthly average U.S. market price of primary aluminum ingot decreased slightly from 66.6 cents per pound in May to 66.3 cents per pound in June, according to Platts Metals Week. The American Metal Market buying price range for aluminum used beverage cans (UBCs) trended downward during June. The price range began the month at 49.5–51.5 cents per pound. On June 2, the buying price range decreased to 49–51 cents per pound. On June 13, the price decreased again to 48.5–50.5 cents per pound before returning to the 49–51 cents per pound range on June 20. On June 27, the price range decreased to 48–

50 cents per pound and then decreased again on June 30 to 47.5–49 cents per pound. According to Resource Recycling's Container Recycling Report, the average monthly transaction price for aluminum UBCs decreased from 51.8 cents per pound in May to 51.0 cents per pound in June.

### Update

The monthly average U.S. market price of primary aluminum ingot increased from 66.3 cents per pound in June to 67.2 cents per pound in July. The American Metal Market buying price range for aluminum UBCs increased several times during the month of July. On July 15, the price range increased to 49–50 cents per pound; on July 28, 50–51 cents per pound; and on July 30, 50.5–51.5 cents per pound.

TABLE 1  
COMPONENTS OF ALUMINUM SUPPLY<sup>1</sup>

(Thousand metric tons)

Period	Primary production	Secondary recovery <sup>2</sup>			Imports for consumption			Total new supply <sup>3</sup>	Total stocks, end of period <sup>4</sup>
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2002 <sup>p</sup>	2,707	1,810	1,210	3,020	2,790	798	3,590	9,320	1,320
2002:									
June	225	148	98	246	263	71	334	805	1,320
July	238	143	101	244	228	74	302	784	1,310
August	237	155	105	260	279	77	356	853	1,350
September	227	157	102	260	235	70	305	792	1,370
October	235	164	111	276	196	67	263	774	1,360
November	232	148	100	248	264	64	328	808	1,370
December	241	140	91	231	186	61	247	719	1,320
January-June	1,297	903	601	1,500	1,410	384	1,790	4,590	1,320
2003:									
January	242	152	96	248	215	69	284	774	1,350
February	220	153	88	241	246	64	310	771	1,390
March	238	143	89 <sup>r</sup>	232 <sup>r</sup>	350	71	421	891	1,420
April	225	143	99	242	202	69	272	739	1,370
May	236	150 <sup>r</sup>	106 <sup>r</sup>	255 <sup>r</sup>	265	69	335	826	1,400
June	229	139	100	239	NA	NA	NA	NA	NA
January-June	1,389	880	578	1,460	NA	NA	NA	NA	NA

<sup>p</sup>Preliminary. <sup>r</sup>Revised. NA Not available.

<sup>1</sup>Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

<sup>2</sup>Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

<sup>3</sup>Primary production, secondary recovery, and imports for consumption.

<sup>4</sup>Includes scrap; data from the Aluminum Association Inc.

TABLE 2  
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM  
PURCHASED NEW AND OLD ALUMINUM SCRAP<sup>1</sup>

(Thousand metric tons)

Period	Secondary smelters		Integrated aluminum companies		Independent mill fabricators		Foundries		Other consumers		Total	
	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery
2002 <sup>p</sup>	1,840	1,380	871	754	823	764	134	122	6	6	3,680	3,020
2002:												
June	150	112	65	56	71	66	12	11	(2)	(2)	299	246
July	148	110	66	56	75	69	9	8	(2)	(2)	298	244
August	155	115	76	66	75	69	11	10	1	1	317	260
September	153	114	78	68	72	67	11	10	(2)	(2)	315	260
October	167	126	79	68	77	71	11	10	(2)	(2)	334	276
November	149	111	71	61	71	66	11	10	(2)	(2)	302	248
December	146	107	64	55	63	59	10	9	(2)	(2)	284	231
January-June	926	694	437	379	390	362	71	65	4	4	1,830	1,500
2003:												
January	147	109	70	60	72	67	12	11	1	1	301	248
February	147	109	66	57	68	64	11	10	(2)	(2)	293	241
March	140	103	59	50	73	69	10	9	(2)	(2)	282	231
April	137	102	75	65	71	66	10	9	(2)	(2)	294	242
May	143 <sup>r</sup>	106 <sup>r</sup>	82	71	74 <sup>r</sup>	68	11	10	(2)	(2)	310 <sup>r</sup>	255 <sup>r</sup>
June	141	104	75	65	65	60	11	10	(2)	(2)	291	239
January-June	855	633	428	369	422	394	64	58	2	2	1,770	1,460

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than 1/2 unit.

TABLE 3  
CONSUMPTION OF AND RECOVERY FROM PURCHASED  
NEW AND OLD ALUMINUM SCRAP IN JUNE 2003<sup>1</sup>

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	117,000	141,000	86,800	104,000
Integrated aluminum companies	74,900	74,900	64,700	64,700
Independent mill fabricators	53,800	64,600	50,000	60,000
Foundries	8,840	10,600	7,940	9,520
Other consumers	364	437	364	437
Total	255,000	291,000	210,000	239,000

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4  
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN 2003<sup>1</sup>

(Metric tons)

	June			January-June <sup>2</sup>		
	Stocks, opening	Net receipts <sup>3</sup>	Melted or consumed	Stocks, closing	Net receipts <sup>3</sup>	Melted or consumed
New scrap:						
Solids	21,000 <sup>r</sup>	75,800	75,000	21,800	461,000	469,000
Can stock clippings	2,810	17,200	16,300	3,720	113,000	111,000
Other clippings	5,400	8,520	8,520	5,400	56,000	56,300
Borings and turnings	5,020	17,000	17,200	4,830	105,000	105,000
Dross and skimmings	2,570 <sup>r</sup>	32,700	32,500	2,730	196,000	196,000
Total new scrap	36,800 <sup>r</sup>	151,000	149,000	38,500	931,000	937,000
Old scrap:						
Used casting, sheet, clippings	12,000 <sup>r</sup>	33,100	32,700	12,400	195,000	196,000
Aluminum-copper radiators	1,530	1,500	1,750	1,270	9,680	10,300
Used cans (shredded, loose, baled)	33,600	59,300	58,700	34,200	339,000	333,000
Fragmentized shredder (auto shredder)	4,390	12,000	11,800	4,620	69,300	65,800
Total old scrap	51,500 <sup>r</sup>	106,000	105,000	52,500	613,000	605,000
Sweated pig	178	887	887	178	5,440	5,420
Total all classes	88,500 <sup>r</sup>	258,000	255,000	91,100	1,550,000	1,550,000

<sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes revised data from previous month(s).

<sup>3</sup>Includes data on imported aluminum-base scrap.

TABLE 5  
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2003<sup>1,2</sup>

(Metric tons)

	June				January-June <sup>3</sup>	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	3,170	1,590	1,760	3,000	9,740	10,200
380 and variations	6,700	28,100	28,700	6,170	175,000	178,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	2,270	3,990	4,010	2,260	24,300	24,200
No. 319 and variations	3,950	9,680	9,950	3,680	62,100	63,500
F-132 alloy and variations	1,470	1,950	1,920	1,500	11,700	12,200
Al-Zn alloys	29	77	70	37	465	462
Al-Si alloys (0.6% to 2.0% Cu)	91	168	168	91	1,010	1,010
Al-Cu alloys (1.5% Si, max.)	--	191	191	--	1,150	1,150
Other <sup>4</sup>	9,190	8,170	7,220	10,100	44,800	40,200
Wrought alloys:						
Extrusion billets	10,100 <sup>†</sup>	17,100	17,000	10,100	105,000	105,000
Total all alloys	37,000 <sup>†</sup>	71,000	71,000	37,000	436,000	436,000
Less:						
Primary aluminum consumed	XX	6,820	XX	XX	38,600	XX
Primary silicon consumed	XX	3,060	XX	XX	19,600	XX
Other alloying ingredients consumed	XX	611	XX	XX	3,870	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot <sup>5</sup>	XX	60,600	XX	XX	374,000	XX

<sup>†</sup>Revised. XX Not applicable. -- Zero.

<sup>1</sup>Excludes integrated aluminum companies.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Includes revised data from previous month(s).

<sup>4</sup>Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

<sup>5</sup>No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 2003<sup>1</sup>

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January-May	May	January-May	May	January-May	May	January-May
Argentina	1,360	29,800	144	524	99	493	1,600	30,900
Australia	8,030	57,000	23	81	--	9	8,050	57,100
Bahrain	--	2,930	1,250	7,100	--	--	1,250	10,000
Belgium	--	5	798	4,330	--	--	798	4,340
Brazil	1,830	30,900	2,180	9,580	--	699	4,010	41,200
Canada	141,000	728,000	35,100	186,000	21,800	111,000	198,000	1,030,000
France	186	464	459	2,460	60	329	705	3,250
Germany	505	825	6,660	28,400	8	518	7,170	29,700
Ghana	--	--	--	--	--	592	--	592
Hungary	--	--	256	854	--	--	256	854
Italy	--	--	138	816	--	--	138	816
Japan	38	112	633	3,550	25	230	696	3,890
Korea, Republic of	5	6	498	2,540	--	--	502	2,550
Mexico	727	2,490	1,440	6,200	6,330	29,900	8,500	38,600
Netherlands	44	163	201	1,390	--	203	245	1,760
Norway	112	142	17	44	--	--	129	186
Russia	86,000	318,000	3,710	19,600	738	4,180	90,500	342,000
South Africa	--	4,060	2,810	13,500	--	--	2,810	17,600
Spain	9	56	61	130	--	21	70	207
Sweden	--	(2)	360	1,430	--	205	360	1,640
Switzerland	(2)	2,090	770	2,300	--	--	770	4,390
United Arab Emirates	2,930	19,500	--	2	84	701	3,020	20,200
United Kingdom	234	1,700	125	593	244	1,210	604	3,500
Venezuela	19,800	70,800	2,410	9,760	484	2,380	22,700	83,000
Other	2,330	9,100	9,440	42,500	3,320	16,600	15,100	68,200
Total	265,000	1,280,000	69,500	343,000	33,200	169,000	368,000	1,790,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF ALUMINUM IN MAY 2003<sup>1</sup>

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January-May	May	January-May	May	January-May	May	January-May
Australia	19	59	239	637	--	126	258	823
Belgium	--	258	328	1,590	40	40	368	1,890
Brazil	--	42	1,520	7,260	--	--	1,520	7,300
Canada	9,650	48,700	42,100	213,000	11,800	67,200	63,600	329,000
China	5	79	3,040	11,600	20,500	86,500	23,600	98,200
Czech Republic	--	--	1	159	--	--	1	159
Dominican Republic	--	40	61	524	--	--	61	563
France	1	21	413	1,940	--	3	414	1,970
Germany	109	305	505	2,100	--	65	614	2,470
Hong Kong	2	71	614	1,350	1,500	6,560	2,110	7,980
India	--	2	72	157	613	1,550	686	1,710
Israel	--	1	181	1,010	--	3	181	1,020
Italy	4	5	185	859	--	3	190	868
Japan	295	1,470	636	2,720	1,790	11,900	2,720	16,100
Korea, Republic of	21	154	1,470	6,280	3,800	18,000	5,290	24,500
Malaysia	--	75	91	315	233	296	323	686
Mexico	6,780	25,500	7,500	42,000	2,710	21,100	17,000	88,600
Netherlands	38	135	42	288	--	46	80	470
Russia	--	5	10	18	--	--	10	23
Saudi Arabia	--	--	1,120	6,730	--	--	1,120	6,730
Singapore	10	59	39	476	55	55	104	591
Spain	2	53	368	755	71	71	441	879
Sweden	--	--	13	172	--	--	13	172
Taiwan	1	69	1,320	3,180	1,920	11,700	3,250	14,900
Thailand	--	13	762	3,790	81	1,100	843	4,910
United Kingdom	18	152	953	4,650	51	332	1,020	5,140
Venezuela	--	--	299	661	--	16	299	677
Ukraine	--	--	--	1	--	--	--	1
Other	14	142	1,900	7,660	878	2,060	2,790	9,860
Total	17,000	77,400	65,800	322,000	46,100	229,000	129,000	629,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.